Minutes
Conceptual Models of the Mission Space (CMMS)
Technical Working Group
Meeting 6

1. The sixth meeting of the CMMS technical working group was hosted by DMSO (Defense Modeling and Simulation Office) on 24 July 1996 in Alexandria, VA. Col Mark Jefferson, Deputy Director, DMSO, chaired the meeting. A list of attendees is attached. Briefings will be posted on the DMSO World-Wide Web Home Page.

Introduction - DMSO

2. Col Jefferson summarized the CMMS prototype effort to date - project is on schedule and providing the right interim results. He discussed the two spiral approach, indicating that Cycle 1 will address the major issues, using a realistic mission "thread" that provides illustrative opportunities to demonstrate translation software. Cycle 1 is a limited iteration with software and technical approaches that provide quick results, waiting until the runtime CMMS for more sophisticated optimized results.

CMMS Prototype Update

3. Cycle 1 Functional Requirements Specification (Approved). Larry O'Brien, DRC CMMS Program Manager, gave an overview of the Cycle 1 Functional Requirements Specification. Cycle 1 will demonstrate all major CMMS functions except for create and will use a realistic mission "thread." The thread will be a joint interdiction "thread."

(Power Point briefing: Funcspec1.ppt))

(Word copy of Cycle 1 Functional Requirements Specification: E3708u.doc)

4. Cycle 2 Architectural Requirements Specification (Draft) - Cynthia Tuttle, DRC, briefed the Architectural Requirements Specification, while Monica Grose, S3I, gave a more detailed overview of architecture and system requirements for Cycle 1.

(Power Point briefing: ArcV4_0.ppt)

5. Tactical "Thread." Mike Wagner, DRC, discussed the "thread" for Cycle 1, CMMS prototype. It will provide the context against which DRC will ask for data from Simulation programs. The prototype "thread" will consist of the combat entities, actions, and interactions comprising a Joint Targeting Board under a Joint Task Force Commander providing air strikes in support of an air campaign in Southwest Asia/ DESERT STORM scenario.

(Power Point briefing: 1103b.ppt)

CMMS Tech Framework Update

6. Jack Sheehan, Data Engineer, DMSO, briefed the current status of the CMMS Technical Framework. The framework specifies the definitions, content, structure, process, and infrastructure required for the creation, management, and distribution of conceptual mission models for use by DoD simulation developers. As a work-in-progress, the Technical Framework specifies requirements which are considered to be necessary for mission space conceptual model compatibility and re-use among the major DoD M&S programs. Version 0.1.6, dated 24 April 1996, is the current version. Version 0.2.0 is being developed and should be distributed by the end of September, 1996.

(Power Point briefing: tf_stat.ppt)

Simulation Program Updates

7. JWARS/JSIMS- Lt Col Prosser/Lt Col Liby discussed the cooperative efforts of JSIMS & JWARS. An existing Memorandum of Agreement (MOA) provides that the two programs will share a common scenario of the joint mission space. They will look at an object oriented approach, as appropriate. (Training and analytical objects may differ).

8. WARSIM . MAJ. Rhinesmith summarized Army Functional description of the Battlefield (FDB) efforts. He focused on the need to identify the training audience. That identification is critical to the selection of the correct conceptual model and is the basis for Army requirements.

(Word, WARSIM 2000 Requirements Decomposition and Functional description, Process, and Repository document: fdb_rel3.doc)

9. Air and Space CMMS Overview. Mike Metz, GMU, briefed the Air and Space CMMS. They are working on the Real World Object View using RDD.

(Power Point briefing: air4.ppt)

10. Navy CMMS - Guy Purser, BMH, briefly discussed recent directions of the Navy's conceptual modeling efforts. Their plan is to leverage STOW maritime efforts

(Power Point briefing: navycmms.ppt)

11. Defense Intelligence Mission Space Model. Richard Bernstein, DIA, gave the briefing. Their "CMMS" project will describe the end to end process model for how to do intelligence on the battlefield. It will parallel the ground combat process/model.

As part of its DoD MSEA for Intelligence and JSIMS Executive Agent for Intelligence responsibilities, DIA is leading an effort to develop a CMMS for the end-to-end US joint intelligence process. Ultimately, the CMMS will be validated by the Military Intelligence Board (MIB), the components of which, along with several Service and Joint organizations, are members of the CMMS Working Group. The CMMS will be a starting point for JSIMS and

JWARS Development Agents to build the national and tactical ISR simulations for those two programs.

(Power Point briefing:dia_bfg.ppt)

Common Syntax (CSS) Working Group (CSSWG)

12. Common semantics and syntax project supporting CMMS- Tom Johnson, IMC, gave an overview of the project. The project's goal is to: 1) help and institutionalize a common language (semantics and syntax) for simulation developers and domain models; 2) develop tools that enhance the use of the common language; and 3) develop ontological tools and filters that can be used for M&S and possibly for doctrine development.

(Power Point Briefing@ sheehan:css_stat.ppt

Powerpoint briefing@ Tom Johnson:csstwg2.ppt).